

## Abstract

An invalid memory access detection program early  
detects invalid memory access caused by a program operating  
5 in a system in which memory access can be freely performed,  
said program being called from a program operating in a system  
in which invalid memory access does not occur. An execution  
program of the Java VM executes a Java byte code that has been  
read. A native method library execution module calls a native  
10 method library, and executes it. During or after the execution  
of the native method library, an invalid memory access  
detection module checks a memory area reserved by the memory  
reservation module, and thereby detects invalid memory access  
caused by the native method library.